

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/521, 401B
Source: JFW/6
Date Processed by STIC: 01/29/2007

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/521, 401B

CRF Edit Date: 01/29/2007
Edited by: DA

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

~~Deleted:~~ _____ invalid beginning/end-of-file text ; _____ page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

— Moved responses to same line as heading/numeric identifier, specifically:

— Other:



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/521,401B

DATE: 01/29/2007

TIME: 14:21:19

Input Set : N:\efs\01_23_07\10521401b_efs\pto.da.txt
 Output Set: N:\CRF4\01292007\J521401B.raw

3 <110> APPLICANT: Shone, Clifford Charles
 4 Sutton, John Mark
 7 <120> TITLE OF INVENTION: Targeted Agents for Nerve Regeneration
 9 <130> FILE REFERENCE: MSQ01-003-US
 11 <140> CURRENT APPLICATION NUMBER: 10/521,401B
 12 <141> CURRENT FILING DATE: 2005-09-12
 14 <150> PRIOR APPLICATION NUMBER: GB 0216865.6
 15 <151> PRIOR FILING DATE: 2002-07-19
 17 <160> NUMBER OF SEQ ID NOS: 27
 19 <170> SOFTWARE: PatentIn version 3.1
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 22 <211> LENGTH: 215
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Artificial Sequence
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 26 <223> OTHER INFORMATION: Synthetic
 28 <400> SEQUENCE: 1
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 31 1 5 10 15
 34 Asp Gln Ala Lys Ala Trp Gly Asn Ala Gln Tyr Lys Lys Tyr Gly Leu
 35 20 25 30
 38 Ser Lys Ser Glu Lys Glu Ala Ile Val Ser Tyr Thr Lys Ser Ala Ser
 39 35 40 45
 42 Glu Ile Asn Gly Lys Leu Arg Gln Asn Lys Gly Val Ile Asn Gly Phe
 43 50 55 60
 46 Pro Ser Asn Leu Ile Lys Gln Val Glu Leu Leu Asp Lys Ser Phe Asn
 47 65 70 75 80
 50 Lys Met Lys Thr Pro Glu Asn Ile Met Leu Phe Arg Gly Asp Asp Pro
 51 85 90 95
 54 Ala Tyr Leu Gly Thr Glu Phe Gln Asn Thr Leu Leu Asn Ser Asn Gly
 55 100 105 110
 58 Thr Ile Asn Lys Thr Ala Phe Glu Lys Ala Lys Phe Leu Asn
 59 115 120 125
 62 Lys Asp Arg Leu Glu Tyr Gly Tyr Ile Ser Thr Ser Leu Met Asn Val
 63 130 135 140
 66 Ser Gln Phe Ala Gly Arg Pro Ile Ile Thr Lys Phe Lys Val Ala Lys
 67 145 150 155 160
 70 Gly Ser Lys Ala Gly Tyr Ile Asp Pro Ile Ser Ala Phe Ala Gly Gln
 71 165 170 175
 74 Leu Glu Met Leu Leu Pro Arg His Ser Thr Tyr His Ile Asp Asp Met
 75 180 185 190
 78 Arg Leu Ser Ser Asp Gly Lys Gln Ile Ile Ile Thr Ala Thr Met Met
 79 195 200 205

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Input Set : N:\efs\01_23_07\10521401b_efs\pto.da.txt
Output Set: N:\CRF4\01292007\J521401B.raw

82 Gly Thr Ala Ile Asn Pro Lys
83 210 215
86 <210> SEQ ID NO: 2
87 <211> LENGTH: 212
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
W--> 90 <220> FEATURE:
91 <223> OTHER INFORMATION: Synthetic
93 <400> SEQUENCE: 2
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96 1 5 10 15
99 Asn Ser Leu Ile Lys Ser Ala Lys Tyr Ser Ser Lys Asp Lys Met Ala
100 20 25 30
103 Ile Tyr Asn Tyr Thr Lys Asn Ser Ser Pro Ile Asn Thr Pro Leu Arg
104 35 40 45
107 Ser Ala Asn Gly Asp Val Asn Lys Leu Ser Glu Asn Ile Gln Glu Gln
108 50 55 60
111 Val Arg Gln Leu Asp Ser Thr Ile Ser Lys Ser Val Thr Pro Asp Ser
112 65 70 75 80
115 Val Tyr Val Tyr Arg Leu Leu Asn Leu Asp Tyr Leu Ser Ser Ile Thr
116 85 90 95
119 Gly Phe Thr Arg Glu Asp Leu His Met Leu Gln Gln Thr Asn Asn Gly
120 100 105 110
123 Gln Tyr Asn Glu Ala Leu Val Ser Lys Leu Asn Asn Leu Met Asn Ser
124 115 120 125
127 Arg Ile Tyr Arg Glu Asn Gly Tyr Ser Ser Thr Gln Leu Val Ser Gly
128 130 135 140
131 Ala Ala Leu Ala Gly Arg Pro Ile Glu Leu Lys Leu Glu Leu Pro Lys
132 145 150 155 160
135 Gly Thr Lys Ala Ala Tyr Ile Asp Ser Lys Glu Leu Thr Ala Tyr Pro
136 165 170 175
139 Gly Gln Gln Glu Val Leu Leu Pro Arg Gly Thr Glu Tyr Ala Val Gly
140 180 185 190
143 Ser Val Lys Leu Ser Asp Asn Lys Arg Lys Ile Ile Ile Thr Ala Val
144 195 200 205
147 Val Phe Lys Lys
148 210
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152 <211> LENGTH: 636
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial Sequence
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156 <223> OTHER INFORMATION: Synthetic
158 <400> SEQUENCE: 3
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161 1 5 10 15
164 Thr Cys Ala Cys Cys Gly Ala Cys Cys Thr Gly Gly Thr Thr Gly Ala
165 20 25 30
168 Ala Gly Cys Thr Ala Cys Cys Ala Ala Thr Gly Gly Gly Thr

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DATE: 01/29/2007

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Input Set : N:\efs\01_23_07\10521401b_efs\pto.da.txt
 Output Set: N:\CRF4\01292007\J521401B.raw

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169      35          40          45
172 Ala Ala Cys Thr Cys Thr Cys Thr Gly Ala Thr Cys Ala Ala Ala Thr
173      50          55          60
176 Cys Thr Gly Cys Thr Ala Ala Ala Thr Ala Cys Thr Cys Thr Thr Cys
177 65          70          75          80
180 Thr Ala Ala Ala Gly Ala Cys Ala Ala Ala Thr Gly Gly Cys Thr
181      85          90          95
184 Ala Thr Cys Thr Ala Cys Ala Ala Cys Thr Ala Cys Ala Cys Cys Ala
185      100         105         110
188 Ala Ala Ala Ala Cys Thr Cys Thr Cys Thr Cys Cys Gly Ala Thr
189      115         120         125
192 Cys Ala Ala Cys Ala Cys Cys Cys Gly Cys Thr Gly Cys Gly Thr
193      130         135         140
196 Thr Cys Thr Gly Cys Thr Ala Ala Cys Gly Gly Thr Gly Ala Cys Gly
197 145         150         155         160
200 Thr Thr Ala Ala Cys Ala Ala Ala Cys Thr Gly Thr Cys Thr Gly Ala
201      165         170         175
204 Ala Ala Ala Cys Ala Thr Cys Cys Ala Gly Gly Ala Ala Cys Ala Gly
205      180         185         190
208-Gly Thr Thr Cys Gly Thr Cys Ala Gly Cys Thr Gly Gly Ala Cys Thr
209      195         200         205
212 Cys Thr Ala Cys Cys Ala Thr Cys Thr Cys Thr Ala Ala Ala Thr Cys
213      210         215         220
216 Thr Gly Thr Thr Ala Cys Cys Cys Gly Gly Ala Cys Thr Cys Thr
217 225         230         235         240
220 Gly Thr Thr Thr Ala Cys Gly Thr Thr Thr Ala Cys Cys Gly Thr Cys
221      245         250         255
224 Thr Gly Cys Thr Gly Ala Ala Cys Cys Thr Gly Gly Ala Cys Thr Ala
225      260         265         270
228 Cys Cys Thr Gly Thr Cys Thr Thr Cys Thr Ala Thr Cys Ala Cys Cys
229      275         280         285
232 Gly Gly Thr Thr Thr Cys Ala Cys Cys Cys Gly Thr Gly Ala Ala Gly
233      290         295         300
236 Ala Cys Cys Thr Gly Cys Ala Cys Ala Thr Gly Cys Thr Gly Cys Ala
237 305         310         315         320
240 Gly Cys Ala Gly Ala Cys Cys Ala Ala Cys Ala Ala Cys Gly Gly Thr
241      325         330         335
244 Cys Ala Gly Thr Ala Cys Ala Ala Cys Gly Ala Ala Gly Cys Thr Cys
245      340         345         350
248 Thr Gly Gly Thr Thr Cys Thr Ala Ala Ala Cys Thr Gly Ala Ala
249      355         360         365
252 Cys Ala Ala Cys Cys Thr Gly Ala Thr Gly Ala Ala Cys Thr Cys Thr
253      370         375         380
256 Cys Gly Thr Ala Thr Cys Thr Ala Cys Cys Gly Thr Gly Ala Ala Ala
257 385         390         395         400
260 Ala Cys Gly Gly Thr Thr Ala Cys Thr Cys Thr Thr Cys Thr Ala Cys
261      405         410         415
264 Cys Cys Ala.Gly Cys Thr Gly Gly Thr Thr Thr Cys Thr Gly Gly Thr
265      420         425         430

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/521,401B

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Input Set : N:\efs\01_23_07\10521401b_efs\pto.da.txt
Output Set: N:\CRF4\01292007\J521401B.raw

268 Gly Cys Thr Gly Cys Thr Cys Thr Gly Gly Cys Thr Gly Gly Thr Cys
269 435 440 445
272 Gly Thr Cys Cys Gly Ala Thr Cys Gly Ala Ala Cys Thr Gly Ala Ala
273 450 455 460
276 Ala Cys Thr Gly Gly Ala Ala Cys Thr Gly Cys Cys Gly Ala Ala Ala
277 465 470 475 480
280 Gly Gly Thr Ala Cys Cys Ala Ala Gly Cys Thr Gly Cys Thr Thr
281 485 490 495
284 Ala Cys Ala Thr Cys Gly Ala Cys Thr Cys Thr Ala Ala Ala Gly Ala
285 500 505 510
288 Ala Cys Thr Gly Ala Cys Cys Gly Cys Thr Thr Ala Cys Cys Cys Cys
289 515 520 525
292 Gly Gly Thr Cys Ala Gly Cys Ala Gly Gly Ala Ala Gly Thr Thr Cys
293 530 535 540
296 Thr Gly Cys Thr Gly Cys Cys Gly Cys Gly Thr Gly Gly Thr Ala Cys
297 545 550 555 560
300 Cys Gly Ala Ala Thr Ala Cys Gly Cys Thr Gly Thr Thr Gly Gly Thr
301 565 570 575
304 Thr Cys Thr Gly Thr Thr Ala Ala Ala Cys Thr Gly Thr Cys Thr Gly
305 580 585 590
308 Ala Cys Ala Ala Cys Ala Ala Cys Gly Thr Ala Ala Ala Ala Thr
309 595 600 605
312 Cys Ala Thr Cys Ala Thr Cys Ala Cys Cys Gly Cys Thr Gly Thr Thr
313 610 615 620
316 Gly Thr Thr Thr Cys Ala Ala Gly Ala Ala Gly
317 625 630 635
320 <210> SEQ ID NO: 4
321 <211> LENGTH: 212
322 <212> TYPE: PRT
323 <213> ORGANISM: Staphylococcus aureus
W--> 324 <400> SEQUENCE: 4
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327 1 5 10 15
330 Asn Lys Leu Ile Lys Gln Ala Lys Tyr Ser Ser Asp Asp Lys Ile Ala
331 20 25 30
334 Leu Tyr Glu Tyr Thr Lys Asp Ser Ser Lys Ile Asn Gly Pro Leu Arg
335 35 40 45
338 Leu Ala Gly Gly Asp Ile Asn Lys Leu Asp Ser Thr Thr Gln Asp Lys
339 50 55 60
342 Val Arg Arg Leu Asp Ser Ser Ile Ser Lys Ser Thr Thr Pro Glu Ser
343 65 70 75 80
346 Val Tyr Val Tyr Arg Leu Leu Asn Leu Asp Tyr Leu Thr Ser Ile Val
347 85 90 95
350 Gly Phe Thr Asn Glu Asp Leu Tyr Lys Leu Gln Gln Thr Asn Asn Gly
351 100 105 110
354 Gln Tyr Asp Glu Asn Leu Val Arg Lys Leu Asn Asn Val Met Asn Ser
355 115 120 125
358 Arg Ile Tyr Arg Glu Asp Gly Tyr Ser Ser Thr Gln Leu Val Ser Gly
359 130 135 140

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/521,401B

DATE: 01/29/2007
TIME: 14:21:19

Input Set : N:\efs\01_23_07\10521401b_efs\pto.da.txt
Output Set: N:\CRF4\01292007\J521401B.raw

362 Ala Ala Val Gly Gly Arg Pro Ile Glu Leu Arg Leu Glu Leu Pro Lys
363 145 150 155 160
366 Gly Thr Lys Ala Ala Tyr Leu Asn Ser Lys Asp Leu Thr Ala Tyr Tyr
367 165 170 175
370 Gly Gln Gln Glu Val Leu Leu Pro Arg Gly Thr Glu Tyr Ala Val Gly
371 180 185 190
374 Ser Val Glu Leu Ser Asn Asp Lys Lys Ile Ile Ile Thr Ala Ile
375 195 200 205
378 Val Phe Lys Lys
379 210
382 <210> SEQ ID NO: 5
383 <211> LENGTH: 247
384 <212> TYPE: PRT
385 <213> ORGANISM: Staphylococcus aureus
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388 Met Lys Arg Lys Leu Phe Phe Lys Ile Ile Phe Val Leu Ser Leu Val
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392 Leu Ser Ile His Ser Ile Asn Asp Arg Thr Thr Glu Leu Ser Asn Ile
393 20 25 30
396 Ala Leu Ala Asp Asp Val Lys Asn Phe Thr Asp Leu Thr Glu Ala Thr
397 35 40 45
400 Asn Trp Gly Asn Lys Leu Ile Lys Gln Ala Asn Tyr Ser Ser Lys Asp
401 50 55 60
404 Lys Glu Ala Ile Tyr Asn Tyr Thr Lys Tyr Ser Ser Pro Ile Asn Thr
405 65 70 75 80
408 Pro Leu Arg Ser Ser Gln Gly Asp Ile Ser Asn Phe Ser Ala Asp Leu
409 85 90 95
412 Gln Glu Lys Ile Leu Arg Leu Asp Arg Leu Ile Ser Lys Ser Ser Thr
413 100 105 110
416 Ser Asp Ser Val Tyr Val Tyr Arg Leu Leu Asn Leu Asp Tyr Leu Ser
417 115 120 125
420 Ser Val Lys Gly Phe Ser Ser Glu Asp Leu Glu Leu Leu Tyr Lys Thr
421 130 135 140
424 Glu Asn Gly Lys Tyr Asn Glu Glu Leu Val Lys Lys Leu Asn Asn Ile
425 145 150 155 160
428 Met Asn Ser Lys Ile Tyr Thr Glu Tyr Gly Tyr Ser Ser Thr Gln Leu
429 165 170 175
432 Val Lys Gly Ala Ala Leu Ala Gly Arg Pro Ile Glu Leu Lys Leu Gln
433 180 185 190
436 Leu Pro Lys Gly Thr Lys Ala Ala Tyr Ile Asp Ser Lys Asn Leu Thr
437 195 200 205
440 Ala Tyr Pro Gly Gln Gln Glu Ile Leu Leu Pro Arg Gly Thr Asp Tyr
441 210 215 220
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445 225 230 235 240
448 Glu Gly Ile Val Phe Lys Lys
449 245
452 <210> SEQ ID NO: 6
453 <211> LENGTH: 211

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/521,401B

DATE: 01/29/2007
TIME: 14:21:20

Input Set : N:\efs\01_23_07\10521401b_efs\pto.da.txt
Output Set: N:\CRF4\01292007\J521401B.raw

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L:90 M:283 W: Missing Blank Line separator, <220> field identifier
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L:324 M:283 W: Missing Blank Line separator, <400> field identifier
L:386 M:283 W: Missing Blank Line separator, <400> field identifier
L:456 M:283 W: Missing Blank Line separator, <400> field identifier
L:518 M:283 W: Missing Blank Line separator, <400> field identifier
L:564 M:283 W: Missing Blank Line separator, <400> field identifier
L:614 M:283 W: Missing Blank Line separator, <400> field identifier
L:684 M:283 W: Missing Blank Line separator, <400> field identifier
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L:976 M:283 W: Missing Blank Line separator, <400> field identifier
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**Raw Sequence Listing before editing,
for reference only**



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/521,401B

DATE: 01/23/2007

TIME: 12:29:57

Input Set : N:\efs\01_23_07\10521401b_efs\pto.da.txt
 Output Set: N:\CRF4\01232007\J521401B.raw

3 <110> APPLICANT: Shone, Clifford Charles
 4 Sutton, John Mark
 7 <120> TITLE OF INVENTION: Targeted Agents for Nerve Regeneration
 9 <130> FILE REFERENCE: MSQ01-003-US
 11 <140> CURRENT APPLICATION NUMBER: 10/521,401B
 12 <141> CURRENT FILING DATE: 2005-09-12
 14 <150> PRIOR APPLICATION NUMBER: GB 0216865.6
 15 <151> PRIOR FILING DATE: 2002-07-19
 17 <160> NUMBER OF SEQ ID NOS: 27
 19 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply
 Corrected Diskette Needed
 (P8-1)

ERRORED SEQUENCES

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 1976 <211> LENGTH: 15
 1977 <212> TYPE: PRT
 1978 <213> ORGANISM: Artificial Sequence
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 1980 <223> OTHER INFORMATION: Synthetic
 1982 <400> SEQUENCE: 26
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10 15

→ Corrected
 Amino Acid
 numbering.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/521,401B

DATE: 01/23/2007

TIME: 12:29:58

Input Set : N:\efs\01_23_07\10521401b_efs\pto.da.txt
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L:386 M:283 W: Missing Blank Line separator, <400> field identifier
L:456 M:283 W: Missing Blank Line separator, <400> field identifier
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